SITE	Mouth of Harbor Channel, Richmond	LATITUDE:	37-54.9
	Unocal		
	Arco		
	Time Oil		-
	GATX	•	
	Castrol		
	Texaco		
HAZARD:	Facility	LONGITUDE: 122-21.5	122-21.5
VOLUME:	800/3,800 bbl		
DURATION:	3 days		

## TRAJECTORY ANALYSIS:

spill over 3 days could transport the oil approximately 2 miles farther. into San Pablo Bay or westward from the Golden Gate. the spilled material (in this vegetable oil) to be moved northward approximately 2 miles into San Pablo Bay. San Francisco Bay. A spill during the flood tide would be expected to transport the offmove the oil from the harbor mouth at Richmond through the Golden Gate and out of tension, and tidal dispersion. Spill transport on an ebbing tide would be expected to currents, and spreading of the oil spill by physical processes such as gravity, surface spreading of a spill released into the water near the shoreline at the northern end of the harbor channel in Richmond. The analysis considered oil transport by the wind and tidal Harbor Channel in Richmond. A spill trajectory envelope was calculated for several facilities located at the mouth of Harbor Channel in Richmond. The trajectory analysis predicted the movement and During this time physical spreading of an 800 bbl spill would cause Spreading of the larger 3,800 bbl

San Francisco Bay. these facilities, no significant amounts of oil are expected to be transported outside of miles eastward into Sulsun Bay. Because of the relatively small size of the spills from the oil across San Pablo Bay and through the Carquinez Straits and approximately 5 physical spreading, could transport the oil southward into South San Francisco Bay as far as the San Mateo Bridge. Within 3 days, westerly and southwesterly winds could move direction, strength, and persistence of local winds. Northerly winds, combined with Wind-induced surface currents could cause additional transport of oil depending on the

envelopes do not represent the trajectory of any one spill. A full discussion of the details used for and wind and assume pessimistic dispersion and other adverse weather conditions. These trajectory These spill trajectory envelopes represent the outer perimeter of shoreside areas that could receive oil in the event of any spill. The envelopes are based on regional extremes of climate, tide, current, preparing these spill envelopes is provided in Section 202.2.